

U.S. Serial No. 09/057,313
Attorney Docket No. 033449-002
Amendment After Final

IN THE CLAIMS:

A full listing of the claims, including any amendments made by this paper, follows below:

1-15. (Canceled)

16. (Currently Amended) A method of loading containers ~~on a marine vessel~~ comprising the steps of:

selecting a plurality of containers adapted to contain and protect freight in a marine environment, each container having a set of outer walls defining an inner volume;

loading freight into said inner volume;

providing a reach stacker including a body portion and a gripping portion including a spreader attachment, said gripping portion being capable of being raised and lowered, rotated, and inclined relative to said body portion;

accessing a marine vessel, wherein said marine vessel has a beam at least about $\frac{1}{4}$ of its length to provide a relatively stable marine vessel;

individually lifting and transporting each container along or adjacent to an upper edge thereof by means of said reach stacker over a ramp to a storage deck of a said marine vessel, said ramp and storage deck having sufficient strength to support said reach stacker when said reach stacker is transporting a fully loaded one of said containers;

positioning each container at desired locations on said deck by means of said reach stacker for transportation by said marine vessel; and

securing each said container to said deck at said locations.

17. (Original) The method of claim 16 wherein said securing step includes securing said containers to said deck by semiautomatic twistlocks.

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18. (Original) The method of claim 17 wherein said positioning step includes the step of arranging said containers in vertical stacks on said deck.

19. (Original) The method of claim 18 wherein said securing step includes the step of securing said containers in vertical stacks to each other by means of semiautomatic twistlocks.

20. (Canceled)

21. (Currently Amended) The method of claim 19 further comprising the step of offloading said containers from said vessel at said destination site by ~~a supplemental~~ said reach stacker vehicle.

22. (Currently Amended) A method of offloading containers ~~from a marine vessel~~ comprising the steps of:

accessing a marine vessel, wherein said marine vessel has a beam at least about 1/4 of its length to provide a relatively stable marine vessel;

selecting a plurality of containers adapted to contain and protect freight in a marine environment located on a storage deck of a said marine vessel, each container having a set of outer walls defining an inner volume and having freight loaded therein;

providing a reach stacker including a body portion and a gripping portion including a spreader attachment, said gripping portion being capable of being raised and lowered, rotated, and inclined relative to said body portion;

individually lifting and transporting each container along or adjacent to an upper edge thereof by means of said reach stacker over a ramp from a said storage deck of a said marine vessel, said ramp and storage deck having sufficient strength to support said reach stacker when said reach stacker is transporting a fully loaded one of said containers;

placing each container at desired locations on an associated dock by said reach stacker.

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23. (Canceled)

24. (Canceled)

25. (Currently Amended) A method of transporting containers ~~with a marine vessel~~ comprising the steps of:

selecting a plurality of containers adapted to contain and protect freight in a marine environment, each container having a set of outer walls defining an inner volume and having freight loaded therein;

providing a reach stacker including a body portion and a gripping portion including a spreader attachment, said gripping portion being capable of being raised and lowered, rotated, and inclined relative to said body portion;

accessing a marine vessel, wherein said marine vessel has a beam at least about $\frac{1}{4}$ of its length to provide a relatively stable marine vessel;

lifting a container along or adjacent to an upper edge thereof by means of said reach stacker;

causing said reach stacker to travel over a ramp to or from a storage deck of ~~a~~ said marine vessel, said ramp and storage deck having sufficient strength to support said reach stacker when said reach stacker is transporting a fully loaded one of said containers;

positioning said container at a desired location on a support surface of said vessel or ~~a~~ dock by means of said reach stacker; and

repeating said lifting, causing and positioning steps for each of said plurality of containers.

26. (Previously Presented) The method of claim 25 further comprising the step of releasing said container from said reach stacker after said positioning step.

27. (Canceled)

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28. (Previously Presented) The method of claim 16 wherein said lifting and transporting step includes grasping each of said containers by said reach stacker, and wherein the method further includes the step of releasing said containers after said positioning step.

29-31. (Canceled)

32. (Previously Presented) The method of claim 25 wherein each container includes a bottom, a roof, and a plurality of side walls extending between said bottom and said roof to thereby define said inner volume.

33. (Canceled)

34. (Canceled)

35. (Previously Presented) The method of claim 25 further comprising the steps of securing said containers to said support surface at said locations, and towing said marine vessel with said containers secured to said support surface thereof to a destination site.

36. (Canceled)

37. (Canceled)

38. (Previously Presented) The method of claim 16 wherein each container includes a pair of opposed receptacles, and wherein said spreader attachment is received in said receptacles during said lifting and transporting step.

39. (Previously Presented) The method of claim 16 wherein said lifting and transporting step including gripping each container at or adjacent to said upper edge.

40. (Canceled)

41. (Canceled)

42. (Previously Presented) The method of claim 16 wherein said lifting and positioning steps include moving said gripping portion relative to said body portion, and wherein said lifting and positioning steps are carried out without the use of any outrigger supports.

43. (Previously Presented) The method of claim 42 wherein said lifting and positioning steps include extending a boom of said reach stacker.

44. (Previously Presented) The method of claim 16 wherein said reach stacker does not include any outrigger supports.

45. (Canceled)

46. (Previously Presented) The method of claim 22 wherein said lifting and placing steps include moving said gripping portion relative to said body portion, and wherein said lifting and placing steps are carried out without the use of any outrigger supports.

47. (Previously Presented) The method of claim 46 wherein said lifting and placing steps include extending a boom of said reach stacker.

48. (Previously Presented) The method of claim 22 wherein said reach stacker does not include any outrigger supports.

49. (Canceled)

50. (Previously Presented) The method of claim 25 wherein said lifting and positioning steps include moving said gripping portion relative to said body portion, and wherein said lifting and positioning steps are carried out without the use of any outrigger supports.

51. (Previously Presented) The method of claim 50 wherein said lifting and positioning steps include extending a boom of said reach stacker.

52. (Previously Presented) The method of claim 25 wherein said reach stacker does not include any outrigger supports.

53. (Previously Presented) The method of claim 25 wherein said positioning step includes stacking said containers at least three containers high.

54. (Previously Presented) The method of claim 35 wherein said marine vessel includes a pointed bow to improve the efficiency of said towing step.

55. (Currently Amended) The method of claim 16 ~~further comprising the step of accessing a marine vessel having said storage deck and wherein said storage deck has a strength sufficient to support about of approximately~~ 1,750 pounds per square foot.

56. (Canceled)

57. (Currently Amended) The method of claim 16 ~~further comprising the step of accessing a ramp and wherein said ramp has a length of at least about approximately~~ 75 feet to reduce the angle of inclination of the ramp.

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58. (Currently Amended) The method of claim 16 ~~further comprising the step of accessing a marine vessel having~~ wherein said marine vessel is a barge and has a pointed bow.

59. (Currently Amended) The method of claim 22 ~~further comprising the step of accessing a marine vessel having said storage deck and~~ wherein said storage deck has a strength sufficient to support about of approximately 1,750 pounds per square foot.

60. (Canceled)

61. (Currently Amended) The method of claim 22 ~~further comprising the step of accessing a ramp and~~ wherein said ramp has a length of at least about approximately 75 feet to reduce the angle of inclination of the ramp.

62. (Currently Amended) The method of claim 22 ~~further comprising the step of accessing a marine vessel and~~ wherein said marine vessel is a barge and has a pointed bow.

63. (Currently Amended) The method of claim 25 ~~further comprising the step of accessing a marine vessel having said storage deck and~~ wherein said storage deck has a strength sufficient to support about of approximately 1,750 pounds per square foot.

64. (Canceled)

65. (Currently Amended) The method of claim 25 ~~further comprising the step of accessing a ramp and~~ wherein said ramp has a length of at least about approximately 75 feet to reduce the angle of inclination of the ramp.

66. (Currently Amended) The method of claim 25 ~~further comprising the step of accessing a marine vessel~~ wherein said marine vessel is a barge and has a pointed bow.

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67-69. (Canceled)

70. (Previously Presented) The method of claim 16 wherein said lifting and transporting step includes individually lifting each container off of a tractor-trailer or a rail car.

71. (Previously Presented) The method of claim 22 wherein said placing step includes placing each container on a vehicle by said reach stacker.

72. (Currently Amended) The method of claim 25 wherein said lifting step includes lifting each container off of a tractor-trailer or a rail car by said reach stacker, and wherein said causing step includes causing said reach stacker to travel over said ramp to said storage deck of said marine vessel.